

# Insulating glazing.

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## Also published as:

DE3241416 (A1)

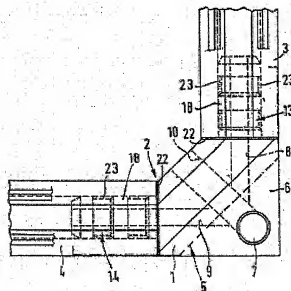
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## Abstract of EP0086345

Insulating glazing having two glass panes (1) which are held at a distance from each other by means of hollow profiles (4). In order to be able to maintain a virtually unlimited insulating capacity in the case of a filling with gases heavier than air, corner pieces (5) are provided, and the panes (1) are bevelled at (5). A part of the corner pieces (6) projects beyond this bevel (5), and in this part these corner pieces (6) have a bore (7) extending through the thickness dimension of the corner piece (6). Extending out of the bore (7) in the manner of a fan are three ducts (8, 9, 10), of which the duct (10) terminates in the cavity between the panes and the ducts (8) and (9) are connected to the inside of the hollow profiles. The bore (7) can be sealed gastightly by means of a sealing stopper. If it is desired to check the state of the panes, the sealing stopper may be removed from the bore (7) and a testing device attached in order to check the state of the gases inside the pane. Should a refilling be necessary, it is possible for a flushing nozzle to be inserted into the bore and any desired flushing pattern can be set at the various corners depending on the choice of gas supplied or removed by suction, and the heavy gases can be replaced so that a constant insulating capability can be maintained over any intervals of time. After a refilling, the bore (7) is resealed with a sealing stopper. The cavity in the separating web may be filled with a hygroscopic material. It is also possible for the cavity between the panes to be connected to an exchangeable exterior container with hygroscopic material.



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